

ABSTRACT

An optical device with a tape carrier package is provided for low cost packaging and better stability. The optical device comprises: an optical sensor chip having a plurality of electrodes on its sensible surface; a flexible circuit board having an upside surface, an underside surface and a window; a plurality of metal circuits formed on the flexible circuit board and each of them having an inner lead extending into the window for bonding with the corresponding electrode; a base having a recession which is corresponding to the window and located under the underside surface of the flexible circuit board, and having a surrounding dam which extends onto the upside surface of the flexible circuit boards; and a transparent cover fixed attached to the surrounding dam for sealing the optical sensor chip.